

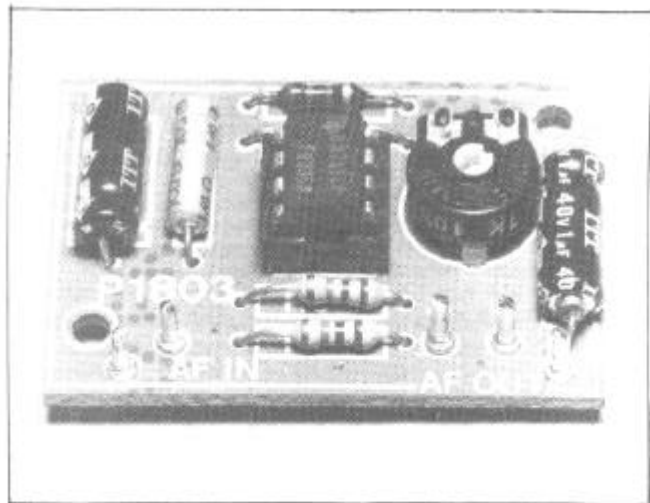
HIGH Q
velleman·kit



UNIVERSAL MONO PREAMPLIFIER

K1803

- Single supply : 10 to 30 V DC
- Gain : 40 dB
- Output impedance : 1 Kohm
- Supply current : typ 10 mA at 12 V
- Adjustable output amplitude



MONO UNIVERSAL PRE-AMPLIFIER

This kit has a meaning as pre-circuit, for different audio-applications where an insufficient input signal is forhanden.

Examples:

- micro pre-amplifier,
- increasing sensitivity of power amplifiers, etc...

Technic information

- Power supply: 10 to 30V DC
- Gain: typ 40 dB
- Output impedance: 1 Kohm
- Adjustable output level
- Supply current: by 12V typ 10 mA
- Frequency reponse: 20 Hz to 20 KHz $\pm$ 3 dB
- Max. in-put signal: 40 mV.

Assembly

- Mount R1, resistance of 2K2 (red-red-red)
- Mount R2, resistance of 220 K (red-red-yellow)

- Mount R3, resistance of 22 K (red-red-orange)
 - Mount R4, resistance of 22 K (red-red-orange)
 - Mount RV1, trimmer of 1 K. This can be a flat as well as a rightstanding type.
 - Mount C1, Elco of 10uF (pay attention of the polarity)
 - Mount C2, Elco of 1uF (pay attention of the polarity)
 - Mount C3, Elco of 1uF (pay attention of the polarity)
 - Mount an 8 pin IC socket on the position marked IC1
 - Mount IC1, type UA741, CA741, NE741, a.o.
- Pay attention to the position of the notch. It must point to R2.

Use

- Connect a stabilized supply between 10 and 30V with the points "+" and "-" on the print.
 - The input is connected on the points "AF IN"
 - The output is taken between the outer right connection (AF OUT) and the mass (-)
 - To connect your in- and out-put you'd better use a screened wire, this to avoid interferences and rumble.
- With the trimmer RV1 you can control the output signal between 0 and max.
- Left (C.C.W.) is min., and right (C.W.) is max.

